

For Research Use Only

# CYP2D6 Monoclonal antibody

Catalog Number: 60297-1-Ig



## Basic Information

<b>Catalog Number:</b> 60297-1-Ig	<b>GenBank Accession Number:</b> BC075023	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2500 ug/ml by Nanodrop and 1847 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1565	<b>CloneNo.:</b> 8B11D12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P10635	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Isotype:</b> IgG2b	<b>Full Name:</b> cytochrome P450, family 2, subfamily D, polypeptide 6	
<b>Immunogen Catalog Number:</b> AG12605	<b>Calculated MW:</b> 497 aa, 56 kDa	
	<b>Observed MW:</b> 56 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HepG2 cells, fetal human brain tissue
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human liver cancer tissue,

## Background Information

CYP2D6(Cytochrome P450 2D6) is also named as CYP2DL1 and belongs to the cytochrome P450 family. It is a monooxygenase that involved in the metabolism of drugs such as antiarrhythmics, adrenoceptor antagonists, and tricyclic antidepressants. CYP2D6 is responsible for the metabolism of many drugs and environmental chemicals that it oxidizes. It has 2 isoforms produced by alternative splicing with the molecular weight of 56 kDa and 50 kDa.

## Storage

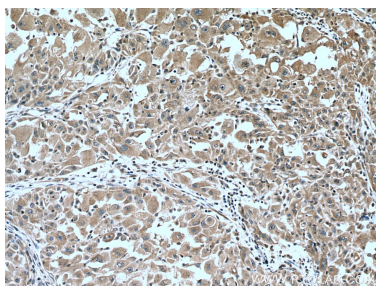
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

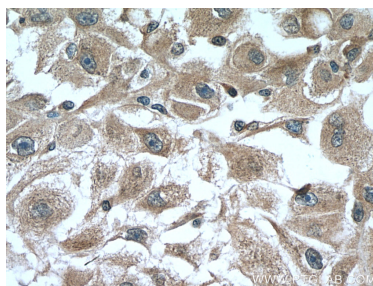
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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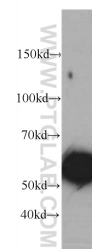
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 60297-1-Ig (CYP2D6 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 60297-1-Ig (CYP2D6 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HepG2 cells were subjected to SDS PAGE followed by western blot with 60297-1-Ig (CYP2D6 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.